

Abstract of the Disclosure

Disclosed is an accessory device for a manual motor starter attached to one side of a body of the manual motor starter so as to perform various accessory functions, such as a forcible trip function for the manual motor starter by remotely switching the manual motor starter or a trip function for the manual motor starter when under-voltage occurs between a power source and load. A remotely switchable trip function and an under-voltage trip function are achieved by using one accessory device. The accessory device includes a case forming an outer appearance of the accessory device, an under-voltage trip coil section installed in the case and including an under-voltage trip coil generating magnetic flux depending on voltage applied thereto and a first fixed core installed adjacent to the under-voltage trip coil and magnetized by magnetic flux generated from the under-voltage trip coil, thereby generating attracting force, a remotely switchable trip coil section installed in the case and including a remotely switchable trip coil generating magnetic flux depending on remotely switchable electric source voltage applied thereto, a second fixed core generating attracting force when the second fixed core is magnetized by magnetic flux generated from the remotely switchable trip coil, and a first movable core having a rod portion extending downward and movable in a downward direction when attracting force is applied thereto from the second fixed core, an under-voltage trip power source terminal electrically connected to the under-voltage trip coil so as to apply voltage to the under-voltage trip coil, a remotely switchable trip power source terminal electrically connected to the remotely switchable trip coil so as to apply remotely switchable electric source voltage to the remotely switchable trip coil, a second movable core separated from the first fixed core in a downward direction when under-voltage is applied thereto through the under-voltage trip power source terminal and downwardly rotated pressed by the rod portion of the first movable core when voltage is applied to the remotely switchable trip coil through the remotely switchable trip power source terminal, and a lever mechanically connected to the second movable core so as to move together with the second movable core for

tripping the manual motor starter.